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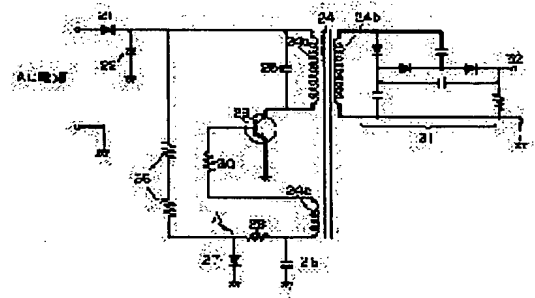
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(54) HIGH-VOLTAGE POWER SUPPLY PROTECTOR

(57)Abstract:

PURPOSE: To prevent the abnormal heating of an output transistor when the load is short-circuited.

CONSTITUTION: The base of an oscillating transistor 23 is connected to a DC power source through a heat-preventive resistor 30, a base winding 24c, resistor 28, and a base resistor 26, and the collector 1 of the oscillating transistor 23 is connected to a DC power source through a primary coil 24a. A diode 27 is connected in the forward direction between the point A between the resistor 28 and the base resistor 26 and the earth, and the forward voltage of this diode 27 and the voltage between the base and the emitter of an output transistor 23 are equalized. Hereby, at short circuit in load of the output of a high-voltage power supply, the potential difference because of which the base current flows ceases to be gotten, and the base current drops, and a collector current ceases to flow, and the abnormal heating of the output transistor is prevented.



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